

**To:** Bloomgren, David[Bloomgren.David@epa.gov]; Behringer, Caroline[Behringer.Caroline@epa.gov]  
**From:** Garvin, Shawn  
**Sent:** Wed 1/22/2014 6:16:12 PM  
**Subject:** Fw: Final draft ok w ATSDR

Here is the final. ATSDR is ok. Let me know if you have any questions. Thx

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From: Hodgkiss, Kathy  
Sent: Wednesday, January 22, 2014 1:04:38 PM  
To: Garvin, Shawn  
Cc: Burns, Francis; Melvin, Karen; Heston, Gerald  
Subject: Final draft ok w ATSDR

Early Tuesday, during an operations meeting at the facility, Freedom Chemical informed the State of West Virginia, the West Virginia American Water Company, and EPA that another chemical was part of the chemical release that occurred on January 9, 2014. This material has been identified as a proprietary mixture of polyglycol ethers (PPH). It was in the same tank and entered the water system at the same time as the MCHM. PPH represented a relatively small percentage (approximately 5%) of the total volume in the tank. EPA shared this information with the Chemical Safety Board and the Agency for Toxic Substances and Disease Registry (ATSDR).

The Agency for Toxic Substances and Disease Registry (ATSDR) provided the following information regarding the newly identified chemical: Toxicologic information on PPH is limited. Based on the Material Safety Data Sheets (MSDS) provided by the manufacturer, the reported toxicity of this material appears to be lower than the toxicity of MCHM (LD50 > 2000 mg/kg for the primary component of PPH vs. 825 mg/kg for MCHM). Given the small percentage of PPH in the tank and information suggesting similar water solubility as MCHM, it is likely that any amount of PPH currently in the water system would be extremely low. However, the water system has not been tested for this material.

EPA will continue to support work with the State, the WVAMC and its federal partners to address this new development and continues to be available for sampling and monitoring assistance.

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